

IN THE ABSTRACT:

[illegible]

ABSTRACT

A4

A three-phase brushless motor includes a rotor with a permanent
5 magnet having P (P is an integer not less than two) polarities and a stator facing
the rotor and having plural coils shaped in approx. triangle or trapezoid. A
space between adjacent coils is $(360/P) \times (5/3)$ degree. Three position-
detectors, which detect the position of the rotor, is placed at intervals of $(360/P)$
 $\times (2/3)$ degree in an area where no coils are placed. This structure allows the
10 coils to be optimally shaped and placed, and realizes to reduce a number of coils
as well as improve the motor characteristics.

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